



ARKANSAS DEPARTMENT OF HEALTH

**José R. Romero, MD, FAAP, FIDSA, FPIDS, FAAAS,
Secretary of Health**

COVID-19 Variant of Concern (VOC) Case Report Arkansas, 2021-2022

Week Ending Saturday 4/2/2022

The Arkansas Department of Health (ADH) receives COVID-19 variant reports of a limited number of cases that were sequenced for selected Arkansas residents. The information provided is not the count of all cases due to the COVID-19 Delta variant nor of the counts of all the variants in the state, and are only based on a very small, non-random, convenience sample of cases. Therefore, it is important to understand that this information is not representative of all cases, and does not reflect the overall burden of disease. It is presumed that there are many more people affected than the report shows.

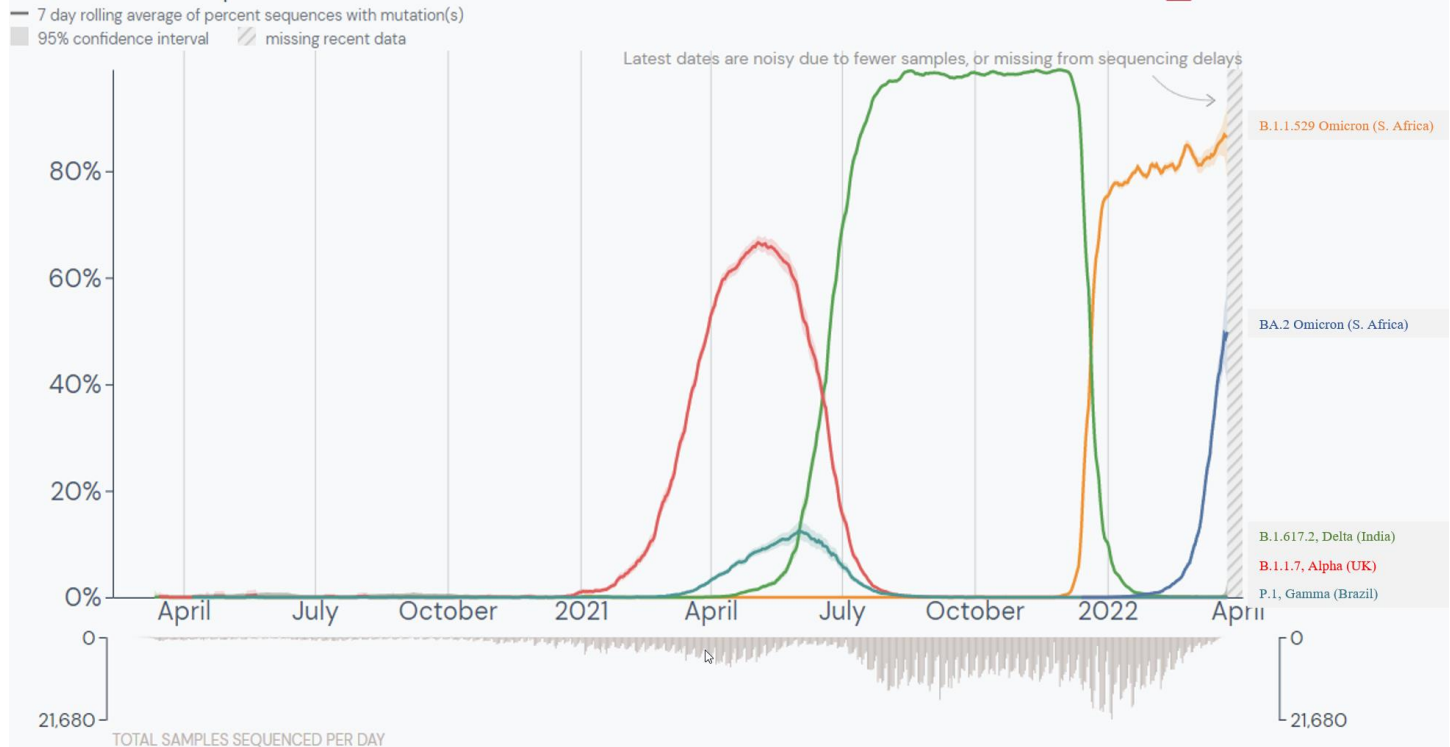
Most of these cases are reported by GISAID and GenBank and identified by ADH staff with assistance from the testing labs. Other data are obtained from [Outbreak.info](https://outbreak.info) website.

Due to time lag in getting sequencing results, data are subject to change over time and will be updated as more data become available.

April 4, 2022

Mutation and Case Prevalence Over Time, National Data:

Mutation and case prevalence over time in United States



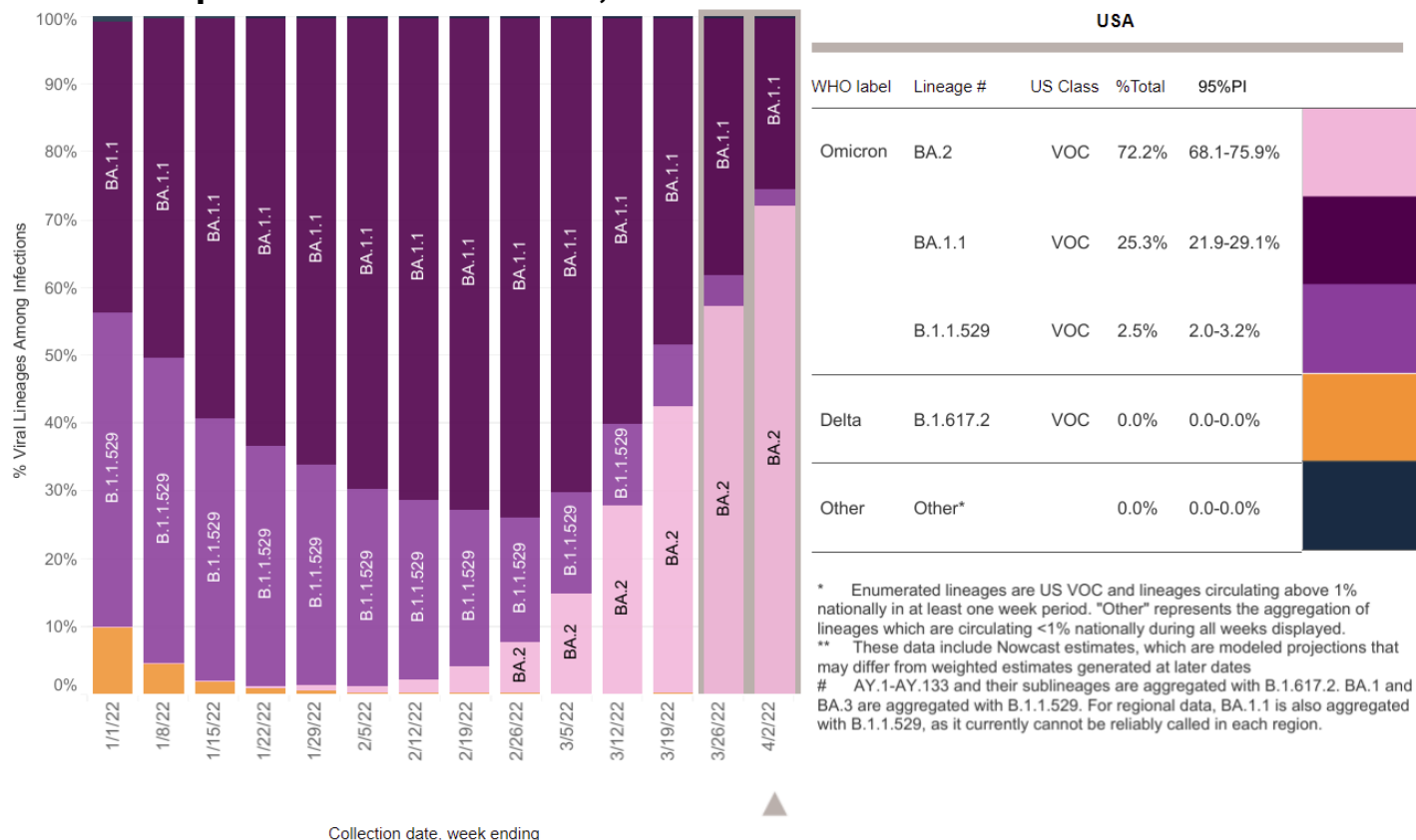
Source: <https://outbreak.info/>

Mutation and Case Prevalence Over Time, Arkansas Data:

Mutation and case prevalence over time in Arkansas, United States

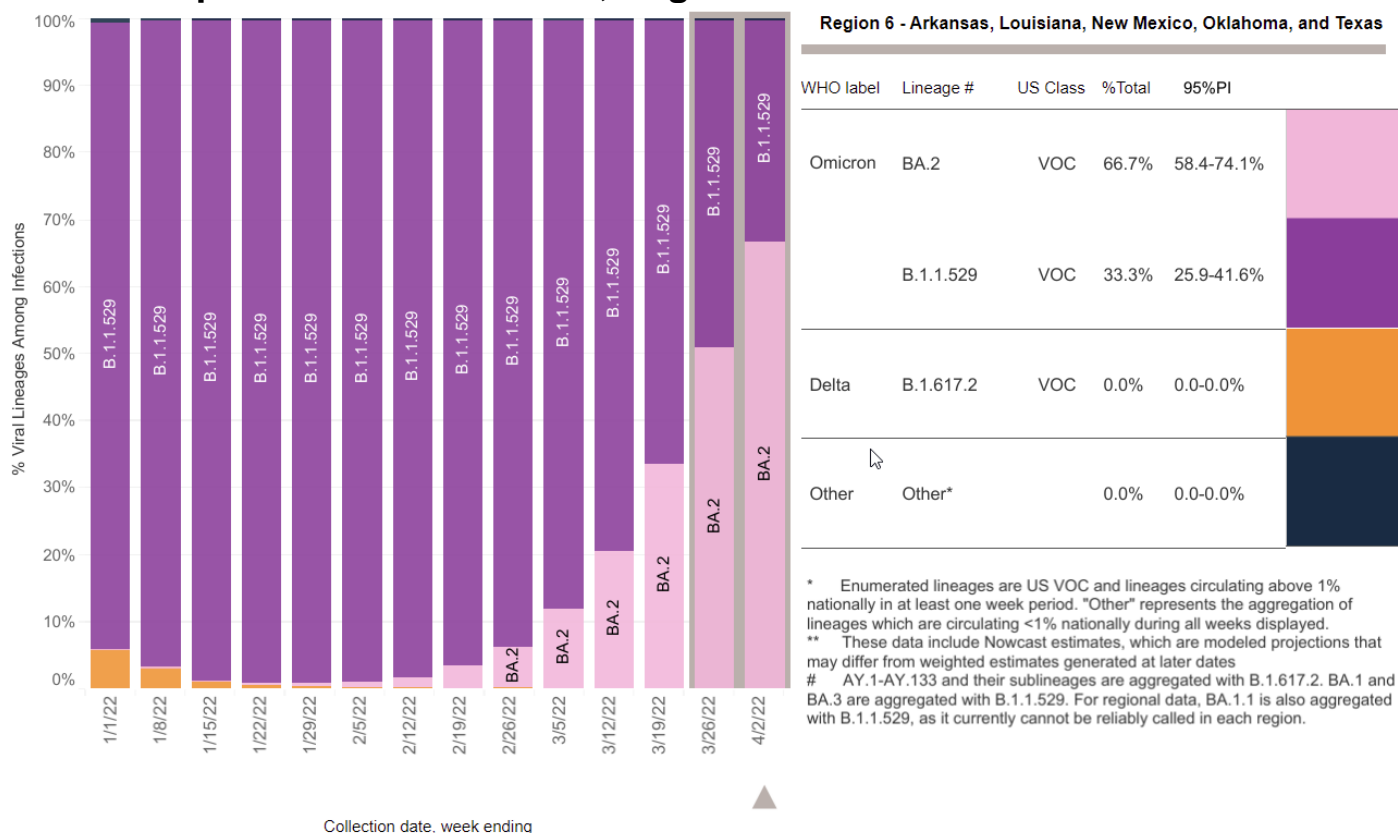


Variant Proportions as of 4/2/2020, National Data:



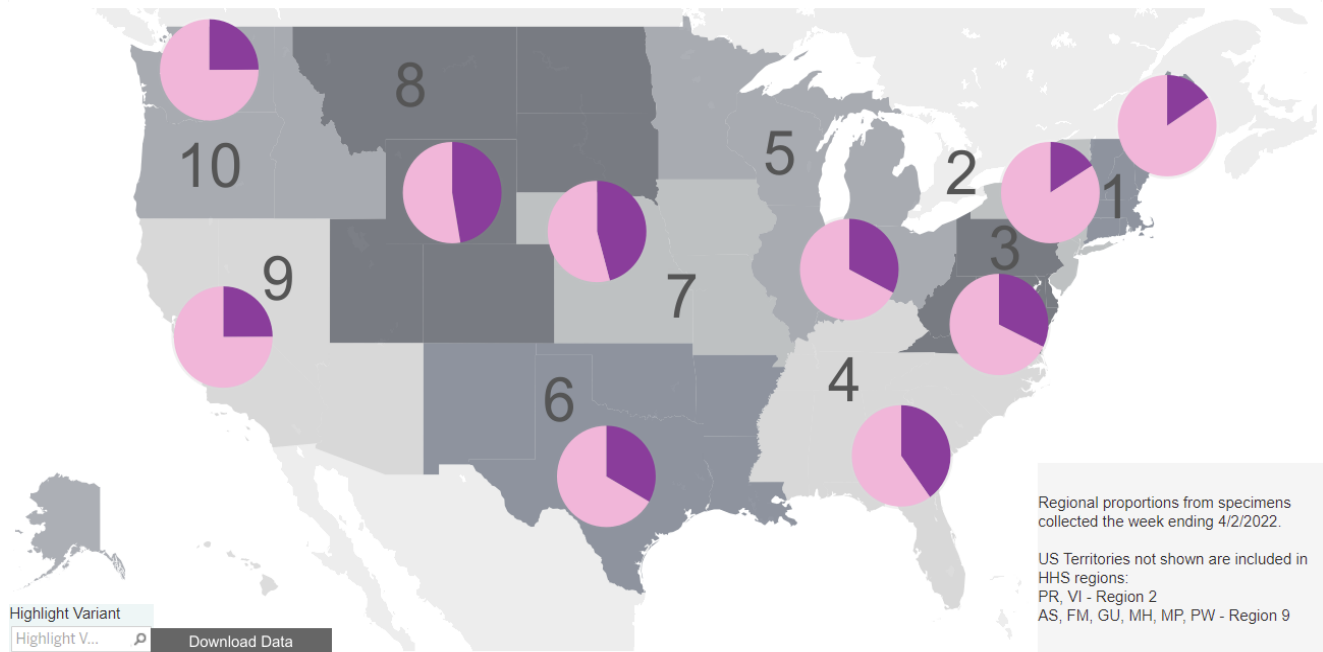
Source: <https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

Variant Proportions as of 4/2/2020, Region 6:



Variant Proportions by Region

United States: 3/27/2022 – 4/2/2022 NOWCAST



Lineages called using pangoln designation (PANGO)-v1.2.127, pangolin v3.1.20, pangoln version 02/02/28 and Scorpino v0.3.16.
Lineage BA.1.1 is aggregated with B.1.1.529 at the regional level as it currently cannot be reliably called in each region.

Updated March 31, 2022

Geographic prevalence of tracked lineages & mutations

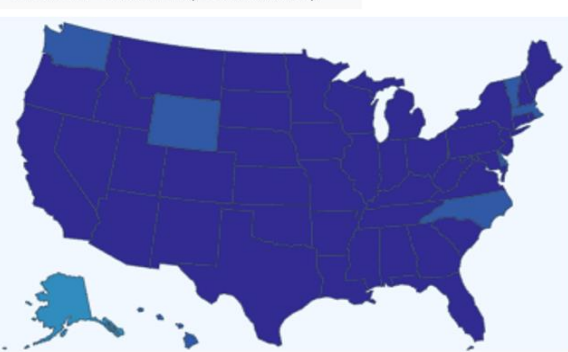
B.1.1.7, Alpha (UK)



B.1.617.2, Delta



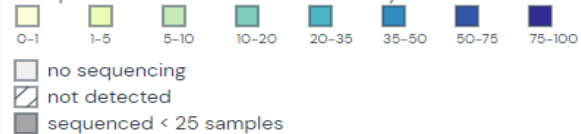
B.1.1.529 Omicron (South Africa)



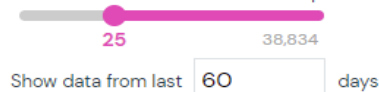
BA.2 Omicron



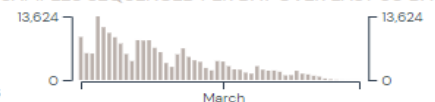
Est. prevalence over the last 60 days



minimum number of total samples



SAMPLES SEQUENCED PER DAY OVER LAST 60 DAYS

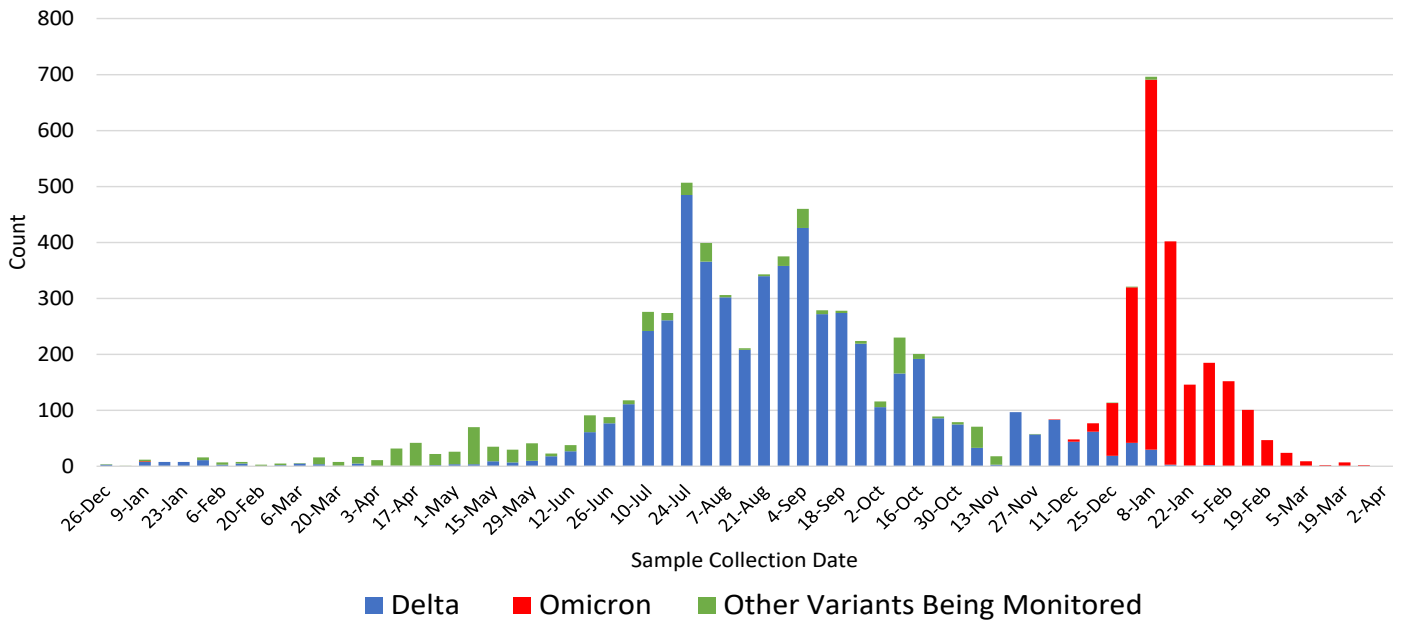


Cumulative Number of Arkansas Specimens Sequenced as of April 2, 2022

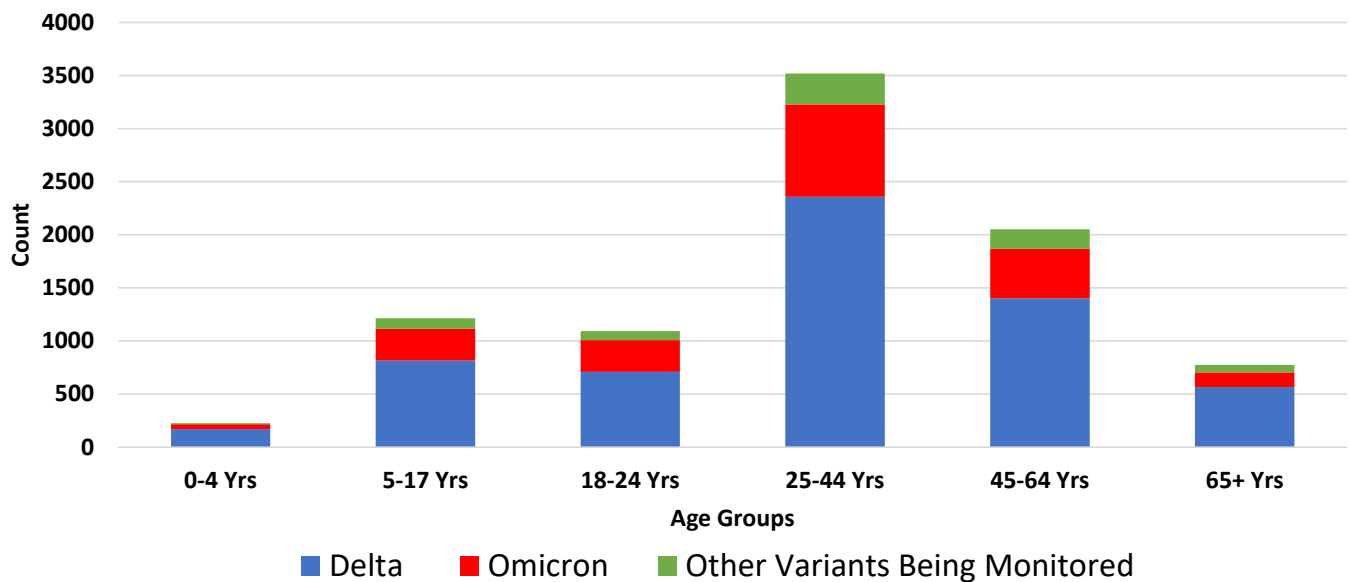
Total Arkansas Sequences = 16,611* (2.14% Sequenced)

Total Number of BA.2 Sub-variant in Arkansas: 50

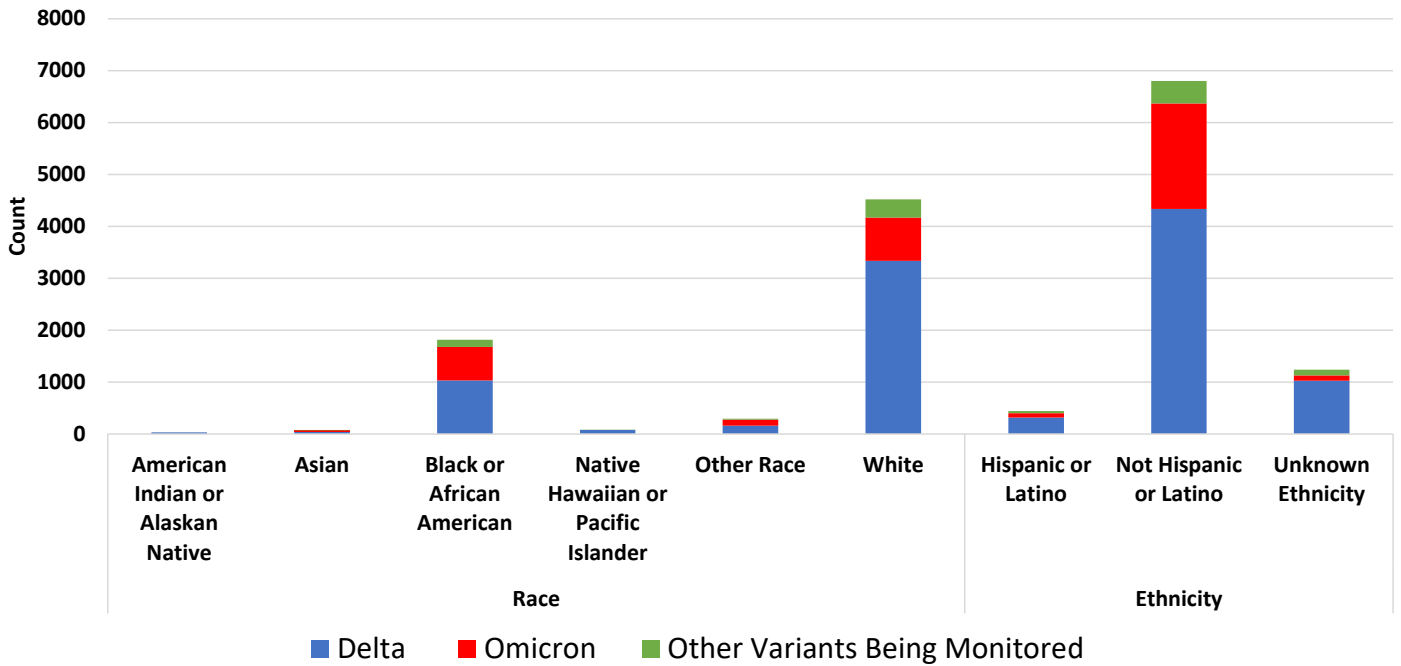
Arkansas Variants Reported by Date of Sample Collection



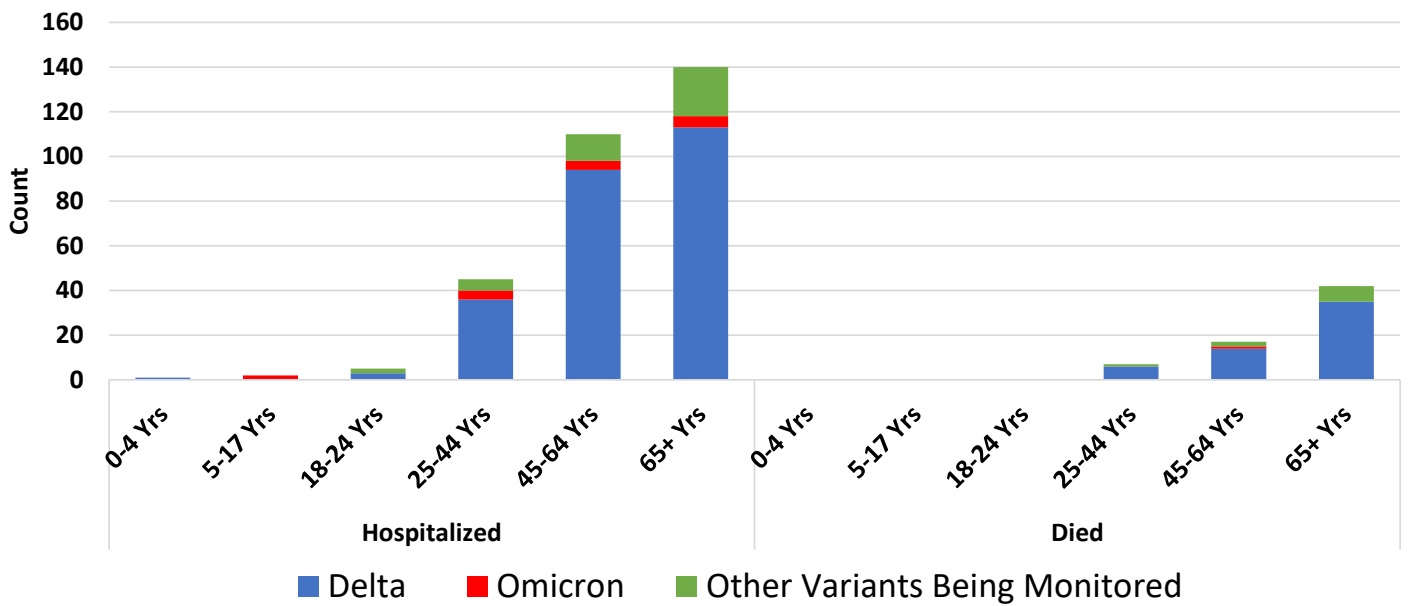
Arkansas Reported Variant Count by Age Groups



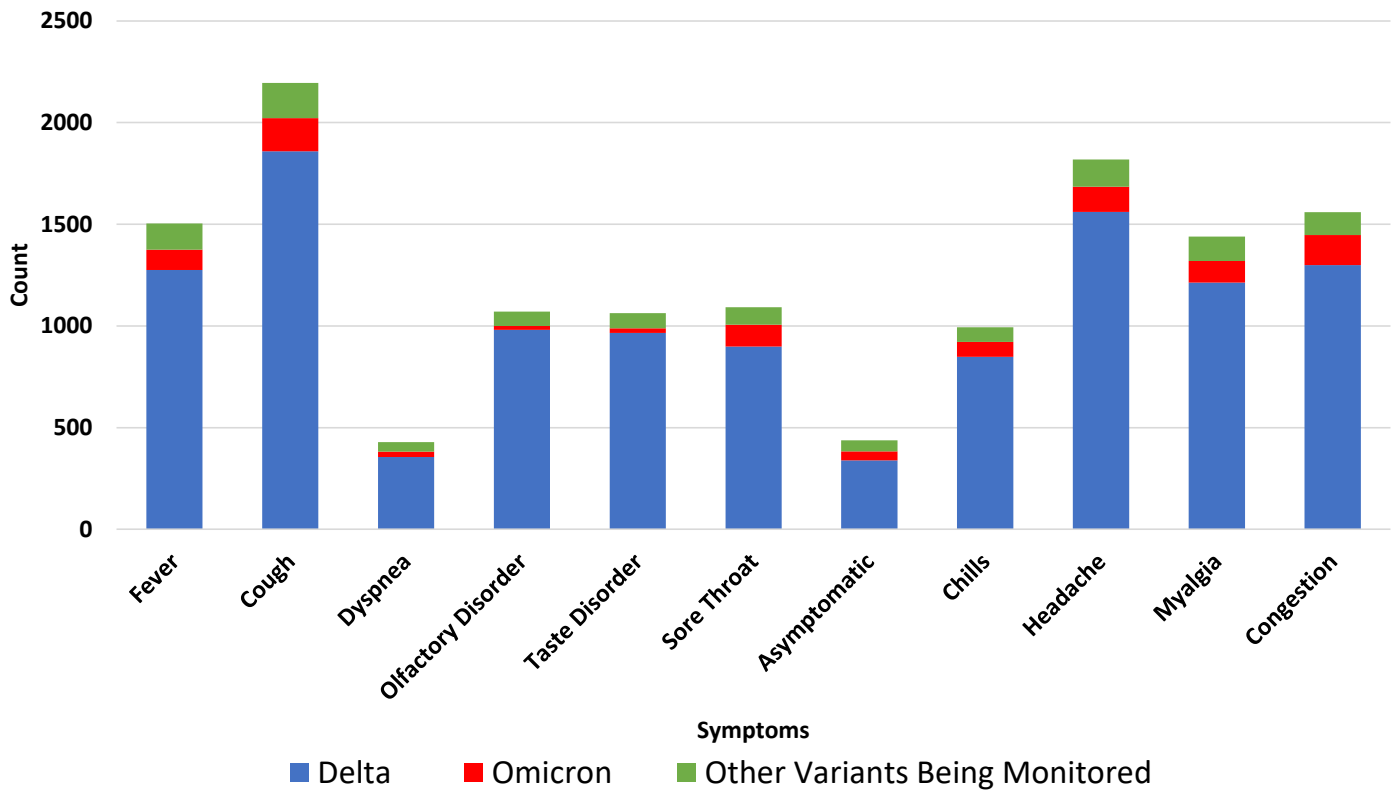
Arkansas Reported Variant Count by Race and Ethnicity



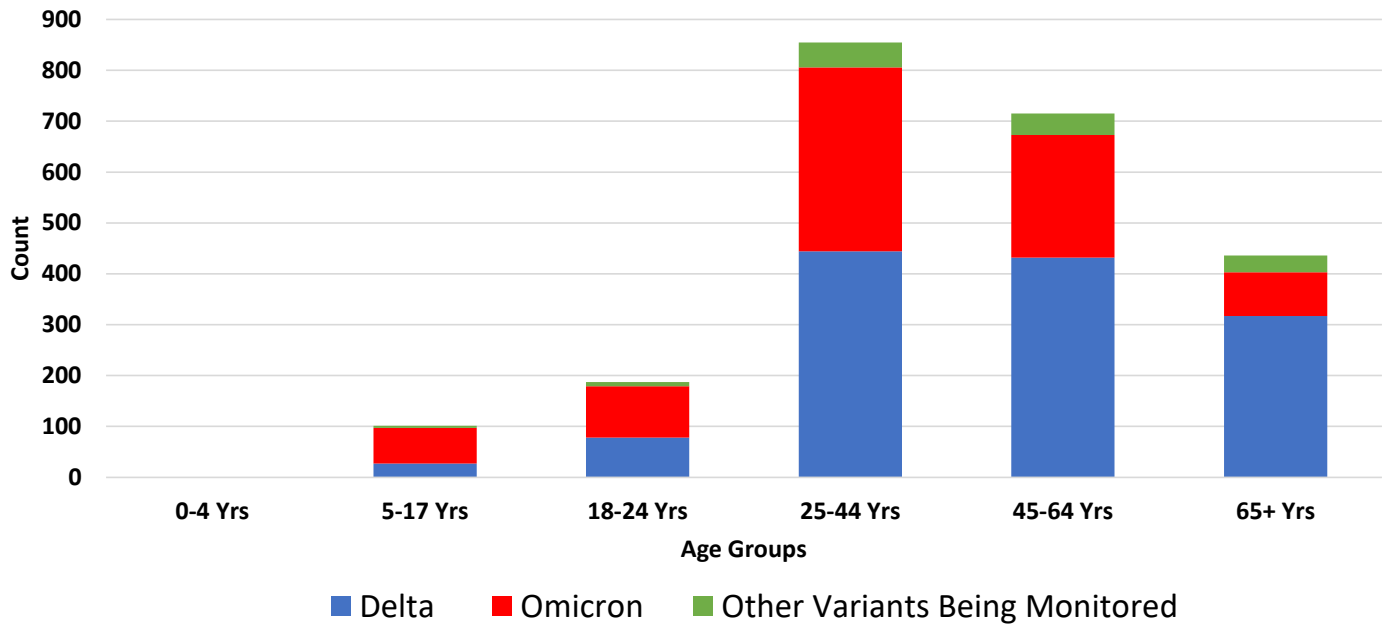
Arkansas Variant Hospitalization and Death by Age Group



Arkansas Variant Reported Symptoms



Arkansas Vaccine Breakthrough by Variant and Age Groups



Confirmed COVID-19 Variants by County As of April 2, 2022

Arkansas Total: 16,611 (2.14%)



Date: April 4, 2022
 Source: Arkansas Department of Health
 Author: Haytham Safi, Epidemiology Supervisor

